| L Number | Hits | Search Text   | DB        | Time stamp |
|----------|------|---|-----------|------------|
| 2        | 63   | (engine or engines) and (turbo or turbocharger or         | USPAT;    | 2004/05/01 |
| _        |      | supercharger) and (hydraulic near3 (actuate or actuator   | US-PGPUB; | 12:38      |
|          |      | or actuating or actuation)) and (cooler or intercooler or | EPO; JPO; |            |
|          |      | aftercooler or "heat exchanger") and (bypass or           | DERWENT;  |            |
|          |      | bypassing or bypassed or "by path")                       | IBM_TDB   |            |
| 3        | 22   | (engine or engines) and (turbo or turbocharger or         | USPAT;    | 2004/05/01 |
|          |      | supercharger) and (hydraulic near3 (actuate or actuator   | US-PGPUB; | 12:40      |
|          |      | or actuating or actuation)) and (cooler or intercooler or | EPO; JPO; |            |
|          |      | aftercooler or "heat exchanger") and (bypass or           | DERWENT;  |            |
| 1        |      | bypassing or bypassed or "by path") and valve and (spool  | IBM_TDB   |            |
|          |      | near3 valve) and solenoid                                 | ,         |            |
| 4        | 125  | (hydraulic near3 (actuate or actuator or actuating or     | USPAT;    | 2004/05/01 |
| •        |      | actuation)) and (cooler or intercooler or aftercooler or  | US-PGPUB; | 12:40      |
|          |      | "heat exchanger") and (bypass or bypassing or bypassed    | EPO; JPO; |            |
|          |      | or "by path") and valve and (spool near3 valve) and       | DERWENT:  |            |
|          |      | solenoid  | IBM_TDB   |            |
| 5        | 36   | (hydraulic near3 (actuate or actuator or actuating or     | USPAT;    | 2004/05/01 |
|          |      | actuation)) and (cooler or intercooler or aftercooler or  | US-PGPUB; | 12:42      |
|          |      | "heat exchanger") and (bypass or bypassing or bypassed    | EPO; JPO; |            |
|          |      | or "by path") and valve and (spool near3 valve) and       | DERWENT;  |            |
|          |      | (solenoid near3 hydraulic)                                | IBM_TDB   |            |
| 6        | 236  | solenoid near3 "hydraulic actuator"                       | USPAT;    | 2004/05/01 |
|          |      |   | US-PGPUB; | 12:43      |
|          |      |   | EPO; JPO; |            |
|          |      |   | DERWENT;  |            |
|          |      |   | IBM_TDB   |            |
| 7        | 2    | "proportional solenoid" near3 "hydraulic actuator"        | USPAT;    | 2004/05/01 |
|          |      | ,   | US-PGPUB; | 12:43      |
|          |      |   | EPO; JPO; |            |
|          |      |   | DERWENT;  |            |
|          |      |   | IBM_TDB   |            |
| 8        | 116  | "proportional solenoid" and "hydraulic actuator"          | USPAT;    | 2004/05/01 |
|          |      | •   | US-PGPUB; | 12:46      |
|          |      |   | EPO; JPO; |            |
|          |      |   | DERWENT;  |            |
|          |      |   | IBM_TDB   |            |
| 9        | 8    | "proportional solenoid" and "hydraulic actuator" and      | USPAT;    | 2004/05/01 |
|          |      | (sensor or detector) and ((engine or engines) near3       | US-PGPUB; | 12:48      |
|          |      | (condition or conditions or operation or operating))      | EPO; JPO; |            |
|          |      |   | DERWENT;  |            |
|          |      |   | IBM_TDB   |            |
| 10       | 33   | "proportional solenoid" and "hydraulic actuator" and      | USPAT;    | 2004/05/01 |
|          |      | (sensor or detector) and ((engine or engines) and         | US-PGPUB; | 13:04      |
|          |      | (condition or conditions or operation or operating))      | EPO; JPO; |            |
|          |      |   | DERWENT;  |            |
| 1        |      |   | IBW_TDB   |            |
| 11       | 2    | "6601821"   | USPAT;    | 2004/05/01 |
|          |      |   | US-PGPUB; | 13:06      |
| 1        |      |   | EPO; JPO; |            |
| -        |      |   | DERWENT;  |            |
|          |      |   | IBM_TDB   |            |

|    |    |                   |                   | 2004 (OF (O1 |
|----|----|-------------------|-------------------|--------------|
| 12 | 23 | "3450109"         | USPAT;            | 2004/05/01   |
|    |    |                   | US-PGPUB;         | 13:15        |
|    |    |                   | EPO; JPO;         |              |
|    |    |                   | DERWENT;          |              |
|    |    |                   | IBM_TDB           |              |
| 13 | 26 | "3988894"         | USPAT;            | 2004/05/01   |
|    |    |                   | US-PGPUB;         | 13:18        |
|    |    |                   | EPO; JPO;         |              |
|    |    |                   | DERWENT;          | ı            |
|    |    |                   | IBM_TDB           |              |
| 14 | 7  | "4373336 <b>"</b> | USPAT;            | 2004/05/01   |
|    |    |                   | US-PGPUB;         | 13:19        |
|    |    |                   | EPO; JPO;         |              |
|    |    |                   | DERWENT;          |              |
|    |    |                   | IBW_LDB           |              |
| 15 | 16 | "4502283"         | USPAT;            | 2004/05/01   |
|    |    |                   | US-PGPUB;         | 13:20        |
|    |    |                   | EPO; JPO;         |              |
|    |    |                   | DERWENT;          |              |
|    |    |                   | IBM_TDB           |              |
| 16 | 17 | "4738110"         | USPAT;            | 2004/05/01   |
|    |    |                   | US-PGPUB;         | 13:23        |
|    |    |                   | EPO; JPO;         |              |
|    | 1  |                   | DERWENT:          |              |
|    |    |                   | IBM_TDB           | 2004/05/01   |
| 17 | 4  | "5152144"         | USPAT;            | 2004/05/01   |
|    |    |                   | US-PGPUB;         | 13:24        |
|    |    |                   | EPO; JPO;         |              |
|    |    |                   | DERWENT;          |              |
| 1  |    |                   | IBM_TDB           | 2004/05/01   |
| 18 | 4  | "5355677"         | USPAT;            | 13:24        |
|    |    |                   | US-PGPUB;         | 15.24        |
|    |    |                   | EPO; JPO;         |              |
| 1  |    |                   | DERWENT:          |              |
|    |    |                   | IBM_TDB<br>USPAT; | 2004/05/01   |
| 19 | 39 | "5617726"         | US-PGPUB;         | 13:26        |
|    |    |                   | EPO; JPO;         | 13.20        |
|    |    |                   | DERWENT;          |              |
|    |    |                   | IBM_TDB           |              |
| 20 | 2  | "54.40516"        | USPAT;            | 2004/05/01   |
| 20 |    | "5649516"         | US-PGPUB;         | 13:26        |
|    |    |                   | EPO; JPO;         |              |
|    |    |                   | DERWENT;          |              |
|    |    |                   | IBM_TDB           |              |
| 21 | 12 | <br>  "5724813"   | USPAT;            | 2004/05/01   |
| 41 | 12 | 3/21013           | US-PGPUB;         | 13:27        |
|    |    |                   | EPO; JPO;         |              |
|    |    |                   | DERWENT;          |              |
|    | -  | ,                 | IBM_TDB           |              |
| 22 | 3  | "5911212"         | USPAT;            | 2004/05/01   |
|    |    |                   | US-PGPUB;         | 13:28        |
|    |    |                   | EPO; JPO;         |              |
|    |    |                   | DERWENT;          | 1            |
|    |    |                   | IBM_TDB           |              |

| 23 | 6            | "6138617"                             | USPAT;    | 2004/05/01 |
|----|--------------|---------------------------------------|-----------|------------|
| .5 | 0            | 0100017                               | US-PGPUB; | 13:28      |
|    |              |                                       | EPO; JPO; |            |
| 1  |              |                                       | DERWENT;  |            |
|    |              |                                       | IBM_TDB   |            |
| 24 | 4            | "6293262"                             | USPAT;    | 2004/05/01 |
|    | 7            | 02/3202                               | US-PGPUB; | 13:29      |
|    |              |                                       | EPO; JPO; |            |
|    |              |                                       | DERWENT;  |            |
|    |              |                                       | IBM_TDB   |            |
| 25 | 4            | "6408831"                             | USPAT;    | 2004/05/01 |
| -5 | •            | 0.000                                 | US-PGPUB; | 13:29      |
|    |              |                                       | EPO; JPO; |            |
|    |              |                                       | DERWENT;  |            |
|    |              |                                       | IBM_TDB   |            |
| 26 | 7            | "6474318"                             | USPAT;    | 2004/05/01 |
| -0 | ,            | · · · · · · · · · · · · · · · · · · · | US-PGPUB; | 13:29      |
|    |              |                                       | EPO; JPO; |            |
|    |              |                                       | DERWENT;  |            |
|    |              |                                       | IBM_TDB   |            |
| 27 | 2            | "6510690"                             | USPAT;    | 2004/05/01 |
| -' | <del>-</del> |                                       | US-PGPUB; | 13:30      |
|    |              |                                       | EPO; JPO; |            |
|    |              |                                       | DERWENT;  |            |
|    |              |                                       | IBM_TDB   |            |
| 28 | 2            | "20020007816"                         | USPAT;    | 2004/05/01 |
|    | -            |                                       | US-PGPUB; | 13:31      |
|    |              |                                       | EPO; JPO; |            |
|    |              |                                       | DERWENT:  |            |
|    |              |                                       | IBM_TDB   |            |
| 29 | 2            | "20020073977"                         | USPAT;    | 2004/05/01 |
|    |              |                                       | US-PGPUB; | 13:32      |
|    |              |                                       | EPO; JPO; |            |
|    |              |                                       | DERWENT:  |            |
|    |              |                                       | IBM_TDB   |            |
| 30 | 2            | "20020146606"                         | USPAT;    | 2004/05/01 |
|    |              |                                       | US-PGPUB; | 13:32      |
|    |              |                                       | EPO; JPO; |            |
|    |              |                                       | DERWENT;  |            |
|    |              |                                       | IBM_TDB   |            |

| L Number | Hits  | Search Text   | DB        | Time stamp       |
|----------|-------|---|-----------|------------------|
| 1        | 42502 | solenoid and actuator   | USPAT;    | 2004/05/01       |
|          |       |   | US-PGPUB; | 15:08            |
| -        |       |   | EPO; JPO; |                  |
|          |       |   | DERWENT:  |                  |
|          |       |   | IBM_TDB   |                  |
| 2        | 14498 | solenoid and actuator and hydraulic   | USPAT;    | 2004/05/01       |
| -        |       | ,   | US-PGPUB; | 15:09            |
|          |       |   | EPO; JPO; |                  |
|          |       |   | DERWENT;  |                  |
|          |       |   | IBM_TDB   |                  |
| 3        | 68    | (proportion near3 solenoid) and actuator and hydraulic  | USPAT;    | 2004/05/01       |
|          | 00    | (proper view reasons a second | US-PGPUB; | 15:09            |
|          | -     |   | EPO; JPO; |                  |
|          |       |   | DERWENT;  |                  |
|          |       |   | IBM_TDB   |                  |
| 4        | 798   | ((proportion or proportional) near3 solenoid) and actuator  | USPAT;    | 2004/05/01       |
| •        | ,,,   | and hydraulic   | US-PGPUB; | 15:23            |
|          |       | and nyaraans  | EPO; JPO; |                  |
|          |       |   | DERWENT;  |                  |
|          |       |   | IBM_TDB   |                  |
| 5        | 195   | ((proportion or proportional) near3 solenoid) and   | USPAT;    | 2004/05/01       |
| 3        | 173   | (hydraulic near5 actuator) and (hydraulic near3 circuit)  | US-PGPUB; | 15:23            |
|          |       | (Hydraume flear o default) and (Hydraume flear o on one)  | EPO; JPO; |                  |
|          |       |   | DERWENT;  |                  |
|          |       |   | IBM_TDB   |                  |
| 6        | 129   | ((proportion or proportional) near3 solenoid) and   | USPAT;    | 2004/05/01       |
| ١        | 127   | (hydraulic near5 actuator) and (hydraulic near3 circuit)  | US-PGPUB; | 15:10            |
|          |       | and spring  | EPO; JPO; |                  |
|          |       |   | DERWENT;  |                  |
|          |       |   | IBM_TDB   |                  |
| 7        | 149   | ((proportion or proportional or proportioning) near3  | USPAT;    | 2004/05/01       |
| ′        | 115   | solenoid) and (hydraulic near5 actuator) and (hydraulic   | US-PGPUB; | 15:10            |
|          |       | near3 circuit) and spring   | EPO; JPO; |                  |
|          |       | , nound on our opening  | DERWENT:  |                  |
|          |       |   | IBM_TDB   |                  |
| 8        | 123   | ((proportion or proportional or proportioning) near3  | USPAT;    | 2004/05/01 15:11 |
| -        | 1     | solenoid) and (hydraulic near3 actuator) and (hydraulic   | US-PGPUB; |                  |
|          |       | near3 circuit) and spring   | EPO; JPO; |                  |
|          |       |   | DERWENT;  |                  |
|          |       |   | IBM_TDB   |                  |
| 9        | 35    | ((proportion or proportional or proportioning) near3  | USPAT;    | 2004/05/01       |
|          | 23    | solenoid) and (hydraulic near3 actuator) and (hydraulic   | US-PGPUB; | 15:12            |
|          |       | near3 circuit) and spring and valve and "spool valve"   | EPO; JPO; |                  |
|          |       |   | DERWENT;  |                  |
|          |       |   | IBM_TDB   |                  |
| 10       | 35    | ((proportion or proportional or proportioning) near3  | USPAT;    | 2004/05/01       |
|          |       | solenoid) and (hydraulic near3 actuator) and (hydraulic   | US-PGPUB; | 15:12            |
|          |       | near3 circuit) and spring and valve and "spool valve" and   | EPO; JPO; |                  |
|          |       | spool   | DERWENT;  |                  |
|          |       | T. C.   | IBM_TDB   |                  |

|    | 4- 1 | //   | USPAT;    | 2004/05/01 |
|----|------|--|-----------|------------|
| 11 | 17   | ((proportion or proportional or proportioning) near3 solenoid) and (hydraulic near3 actuator) and (hydraulic | US-PGPUB; | 15:24      |
|    |      | solenoid) and (nydraulic hears actuator) and (nydraulic  | EPO; JPO; | 10.2.      |
|    |      | near3 circuit) and spring and valve and "spool valve" and  | DERWENT;  |            |
|    |      | spool and (electronic near3 control)   | IBM_TDB   |            |
|    |      |  |           | 2004/05/01 |
| 12 | 17   | ((proportion or proportional or proportioning) near3   | USPAT;    | 15:13      |
|    |      | solenoid) and (hydraulic near3 actuator) and (hydraulic  | US-PGPUB; | 19:13      |
|    |      | near3 circuit) and spring and valve and "spool valve" and  | EPO; JPO; |            |
|    |      | spool and (electronic near3 control) and sensor  | DERWENT;  |            |
|    |      |  | IBM_TDB   | 2224/25/24 |
| 13 | 17   | ((proportion or proportional or proportioning) near3   | USPAT;    | 2004/05/01 |
|    |      | solenoid) and (hydraulic near3 actuator) and (hydraulic  | US-PGPUB; | 15:20      |
|    |      | near3 circuit) and spring and valve and "spool valve" and  | EPO; JPO; |            |
|    |      | spool and (electronic near3 control) and (sensor or  | DERWENT;  |            |
|    |      | detector or sensors or detectors)  | IBM_TDB   |            |
| 14 | 6    | ((proportion or proportional or proportioning) near3   | USPAT;    | 2004/05/01 |
|    |      | solenoid) and (hydraulic near3 (actuator or actuate or   | US-PGPUB; | 15:16      |
|    |      | actuates or actuating or actuation)) and (hydraulic near3  | EPO; JPO; |            |
|    |      | circuit) and (spring near3 (actuator or actuate or   | DERWENT;  |            |
|    |      | actuates or actuating or actuation)) and valve and "spool  | IBM_TDB   |            |
|    |      | valve" and spool and (electronic near3 control) and  |           |            |
|    |      | (sensor or detector or sensors or detectors)   |           |            |
| 15 | 2    | "6601821"  | USPAT;    | 2004/05/01 |
|    |      |  | US-PGPUB; | 15:23      |
|    |      |  | EPO; JPO; |            |
|    | -    |  | DERWENT;  |            |
|    |      |  | IBM_TDB   |            |
| 16 | 1    |  | USPAT     | 2004/05/01 |
| 10 | _    |  |           | 15:20      |
| 17 | 1    |  | USPAT     | 2004/05/01 |
| 17 | 1    |  |           | 15:21      |
| 18 | 1    |  | USPAT     | 2004/05/01 |
| 10 | •    |  |           | 15:21      |
| 10 | 1    |  | USPAT     | 2004/05/01 |
| 19 | 1    |  |           | 15:21      |
| 20 | 1    |  | USPAT     | 2004/05/01 |
| 20 | 1    |  | 55        | 15:22      |
| 21 |      |  | USPAT     | 2004/05/01 |
| 21 | 1    |  | 55.70     | 15:22      |
| 22 | _    |  | USPAT     | 2004/05/01 |
| 22 | 1    |  | 331 A 1   | 15:22      |
|    |      |  | USPAT     | 2004/05/01 |
| 23 | 1    |  | USIAT     | 15:22      |
|    |      | //   | USPAT;    | 2004/05/01 |
| 24 | 21   | ((proportion or proportional or proportioning) near3   | US-PGPUB; | 15:27      |
|    |      | solenoid) and ((hydraulical or hydraulically or hydraulic)   | T .       | 13.27      |
|    |      | near3 (actuate or actuates or actuating or actuation or  | EPO; JPO; |            |
|    |      | actuator)) and ((hydraulical or hydraulically or hydraulic)  | DERWENT;  |            |
|    |      | near3 circuit) and spring and valve and "spool valve" and  | IBW_TDB   |            |
|    |      | spool and (electronic near3 control)   |           |            |

|    |     |   | LICDAT                           | 2004/05/01          |
|----|-----|---|----------------------------------|---------------------|
| 25 | 1   | (("air intake" or "air inlet") near3 (conduit or manifold or pipe or passage or passageway)) and ((proportion or proportional or proportioning) near3 solenoid) and | USPAT;<br>US-PGPUB;<br>EPO; JPO; | 15:29               |
|    |     | ((hydraulical or hydraulically or hydraulic) near3 (actuate   | DERWENT;<br>IBM_TDB              |                     |
|    |     | or actuates or actuating or actuation or actuator)) and ((hydraulical or hydraulically or hydraulic) near3 circuit)   | IBW_IDP                          |                     |
|    |     | and spring and valve and "spool valve" and spool and  | ٠                                |                     |
|    |     | (electronic near3 control)  |                                  |                     |
| 26 | 1   | (("air intake" or "air inlet") near3 (conduit or manifold or  | USPAT;                           | 2004/05/01          |
|    |     | pipe or passage or passageway)) and ((proportion or   | US-PGPUB;                        | 15:29               |
|    |     | proportional or proportioning) near3 solenoid) and  | EPO; JPO;                        |                     |
|    |     | ((hydraulical or hydraulically or hydraulic) near3 (actuate   | DERWENT;<br>IBM_TDB              |                     |
|    |     | or actuates or actuating or actuation or actuator)) and ((hydraulical or hydraulically or hydraulic) near3 circuit)   | IBM_108                          |                     |
|    |     | and spring and valve and "spool valve" and spool and  |                                  |                     |
|    |     | (electronic near3 control) and solenoid   |                                  |                     |
| 27 | 1   | (("air intake" or "air inlet") near3 (conduit or manifold or  | USPAT;                           | 2004/05/01          |
|    |     | pipe or passage or passageway)) and ((proportion or   | US-PGPUB;                        | 15:30               |
|    |     | proportional or proportioning) near3 solenoid) and  | EPO; JPO;                        |                     |
|    |     | ((hydraulical or hydraulically or hydraulic) near3 (actuate   | DERWENT;<br>IBM_TDB              |                     |
|    |     | or actuates or actuating or actuation or actuator)) and<br>((hydraulical or hydraulically or hydraulic) near3 circuit)  | IRW_IDB                          |                     |
|    |     | and spring and valve and "spool valve" and spool and  |                                  |                     |
|    |     | solenoid  |                                  |                     |
| 28 | 3   | (("air intake" or "air inlet") near3 (conduit or manifold or  | USPAT;                           | 2004/05/01          |
|    |     | pipe or passage or passageway)) and ((proportion or   | US-PGPUB;                        | 15:30               |
|    |     | proportional or proportioning) near3 solenoid) and  | EPO; JPO;                        |                     |
|    |     | ((hydraulical or hydraulically or hydraulic) near3 (actuate   | DERWENT;                         |                     |
|    |     | or actuates or actuating or actuation or actuator)) and   | IBM_TDB                          |                     |
| 29 | 397 | solenoid<br>123/563.ccls.   | USPAT;                           | 2004/05/01          |
| 29 | 397 | 123/303.003.  | US-PGPUB;                        | 15:41               |
|    |     |   | EPO; JPO;                        |                     |
|    |     |   | DERWENT;                         |                     |
| ·  |     |   | IBM_TDB                          | 2004/05/01          |
| 30 | 29  | 123/563.ccls. and solenoid  | USPAT;<br>US-PGPUB;              | 2004/05/01<br>15:31 |
|    |     |   | EPO; JPO;                        | 15.51               |
|    |     |   | DERWENT;                         |                     |
|    |     |   | IBM_TDB                          |                     |
| 31 | 463 | 123/564.ccls.   | USPAT;                           | 2004/05/01          |
|    |     |   | US-PGPUB;                        | 15:52               |
|    |     |   | EPO; JPO;                        |                     |
|    |     |   | DERWENT;<br>IBM_TDB              |                     |
| 22 | 1   |   | USPAT                            | 2004/05/01          |
| 32 |     |   |                                  | 15:48               |
| 33 | 1   |   | USPAT                            | 2004/05/01          |
|    |     |   |                                  | 15:48               |
| 34 | 24  | 123/564.ccls. and hydraulic   | USPAT;                           | 2004/05/01          |
|    |     |   | US-PGPUB;                        | 16:00               |
|    |     |   | EPO; JPO;<br>DERWENT;            |                     |
|    |     |   | IBM_TDB                          |                     |

| 37 | 285 | 60/600-612.ccls. and ( hydraulic or hydraulical or      | USPAT;    | 2004/05/01 |
|----|-----|---|-----------|------------|
|    |     | hydraulically)  | US-PGPUB; | 16:00      |
|    |     |   | EPO; JPO; |            |
|    |     |   | DERWENT;  |            |
|    |     |   | IBM_TDB   |            |
| 35 | 25  | 123/564.ccls. and ( hydraulic or hydraulical or         | USPAT;    | 2004/05/01 |
|    |     | hydraulically)  | US-PGPUB; | 16:01      |
|    |     |   | EPO; JPO; |            |
|    |     |   | DERWENT;  |            |
|    |     |   | IBM_TDB   |            |
| 36 | 30  | 123/563.ccls. and ( hydraulic or hydraulical or         | USPAT;    | 2004/05/01 |
|    |     | hydraulically)  | US-PGPUB; | 16:02      |
|    |     | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                 | EPO; JPO; |            |
|    |     |   | DERWENT;  |            |
|    |     |   | IBM_TDB   |            |
| 38 | 167 | 60/600-612.ccls. and ( hydraulic or hydraulical or      | USPAT;    | 2004/05/01 |
|    |     | hydraulically) and (actuator or actuating or actuate or | US-PGPUB; | 16:05      |
|    |     | actuates)   | EPO; JPO; |            |
|    |     |   | DERWENT:  |            |
|    |     |   | IBM TDB   |            |